CHEMISTRY OF BEER AND BREWING
+
NETWORKING EVENT

FEATURING

DAVID HECHT PH.D
+
THE NOVO BRAZIL MASTER BREWERS
ROBERTO CARDOSO AND GUILHERME HOFFMANN

JANUARY 12, 2023
6:30-8:30PM
Dear esteemed members,

Happy 2023 and congratulations to my colleagues for winning their elections! I thank them for stepping up to serve our chemically-minded community and wish them success in their positions of leadership. I am also humbled to have the privilege to serve as your Local Section Chair for one more year. However, just because election season is over, if you have been considering increasing your involvement in the Local Section, there is no better time than now! We have plenty of opportunities to serve as a voting or advisory member on the Local Section’s Executive Committee. If such a prospect piques your interest, I invite you to reach out to me (or any other officer) to initiate a conversation to explore how we can leverage your ideas, talents, and energy to make a difference in our community.

This month, we have a special event lined up for you. On January 12, at 6:30 PM, join us at Novo Brazil Brewery in Otay Ranch for a special presentation about the chemistry of beer and brewing by my colleague, David Hecht, Ph.D. He will be joined by master brewers, Roberto Cardoso and Guilherme Hoffman, who will discuss the techniques and processes employed by Novo to create their award-winning beers like their Otay IPA and Chula Pils Pilsner. After the presentation, bring your business cards and stay for a networking mixer. Admission is only $5 for ACS members. Your ticket will include plenty of delicious food and a beer ticket (if you are over 21). Feel free to bring a guest! Click here to register.

Looking into February, we have another exciting event in the works just in time for Valentine’s Day called, “Now You’re Cooking with Chemistry!”. The fabulous Robyn Araiza will lead a cooking class over Zoom to make a delicious chocolate-based dessert and discuss the fascinating chemical reactions taking place as you follow along from the comfort of your kitchen. The first 30 members to register for the event will receive a complimentary ingredient kit! More details will be released in the coming weeks. This event will take place on the evening of February 9th. I hope to see you there!
I wish you and your loved ones a prosperous 2023.

With gratitude,

Juan Gonzalez
2023 Chair, San Diego Section of the American Chemical Society
Discord @g-orbital
Email: jpgg@sandiegoacs.org
Web: www.sandiegoacs.org
CHEMISTRY OF BEER AND BREWING
+ NETWORKING EVENT

DATE: January 12, 2023
TIME: 6:30 - 8:30 PM
PLACE: Novo Brazil Brewery
RSVP: Click here!

About the speaker

David Hecht is currently a professor of chemistry at Southwestern College in Chula Vista, California and an adjunct faculty member, San Diego State University Dept. of Chemistry. He is an associate editor of the journal Biosystems and a senior member of the IEEE. He received the B.S. degree in biochemistry from Rutgers University, the M.S. degree in chemistry from U.C. Berkeley and the Ph.D. in macromolecular structural biology and chemistry from The Scripps Research Institute in La Jolla, CA. He has worked 10+ years in various biotech and pharmaceutical companies performing systems integration as well as data management with the goal of accelerating lead discovery and optimization processes for preclinical drug discovery and development.

At Southwestern College, a Hispanic Serving Institution in southern California, Dr. David Hecht has actively worked to create opportunities for undergraduate students to have hands on research experiences. As part of these efforts he has been developing course-based undergraduate research experiences or CUREs that he has integrated into the chemistry curriculum. In addition, over the last 15 years he has mentored/is mentoring more than 40 community college students working on
various independent research projects that have resulted in numerous publications in peer reviewed journals and IEEE conferences as well as student presented posters at local & national scientific meetings.

His research focuses on applications of computational intelligence and machine learning in early stage drug discovery for diseases such as drug resistant cancers as well as drug resistant bacterial and fungal infections. Most recently, he has become interested in applications of computational intelligence and machine learning to optimizing beer recipes.

About the talk

At the Novo Restaurant at Otay Ranch Mall, a complete restaurant/brewery/taproom with over 60 taps with a selection of beers, hard kombucha and non alcoholic kombucha, Novo Brazil Production Manager Roberto Cardoso and Headbrewer Guilherme Hoffmann, will be discussing the history of Kombucha, how it started, how the modern market is going, as well as the history and future direction of Nova Kombucha. They will be giving an overview of the brewing process of the tea, the selection of ingredients, and what is involved with growing a healthy SCOBY. In addition, they will discuss the decision process for their R&D products and the challenges of brewing beer in a kombucha facility, especially how microbiology plays a major role in Quality Assurance.
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Nominate yourself or another local chemist

Open to chemists of all ages and backgrounds!
Optimizing Pharmaceutical Powder Characterization: 5 Key Techniques
January 10, 2023
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11:00 AM PST
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Recent Advances in Oligo Purity and Sequence Determination by LCMS
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Electrochemical Wastewater Refining: Converting Pollutants into Products
January 19, 2023
11:00 AM PST
Click here

Designing Polyelectrolyte Coatings: Coacervates, Assemblies, and Complex Materials
January 26, 2023
11:00 AM PST
Click here

Executive Committee Meeting
Dates 2023
6:30– 8:00 PM
January 5
February 2
March 2
April 6
May 4
June 1
July 6
August 3
September 7
October 5
November 2
December 7
Zoom Meeting
NON-PROFIT ORGANIZATIONS!

Does your non-profit organization have an upcoming event that might be of interest to members of the ACS – San Diego Section? If so, please send your announcement to our 2022 Chair, Juan Gonzalez-Gonzalez at jpgg@sandiegoacs.org. Once approved, Juan will see that your announcement is published on our website (www.sandiegoacs.org) and, if received by the 20th of the month before the event, in The San Diego Chemist newsletter. This is a free service of the ACS – San Diego Section. Take advantage of it!

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Did you know that The San Diego Chemist is the only monthly e-newsletter that targets chemists and chemical engineers in San Diego and Imperial Counties? As soon as our newsletter is uploaded on www.sandiegoacs.org a separate notification is sent to over 3000 recipients, each potential customers for your products and services! Quick turnaround: Ad copy submitted by the 20th of each month will be published by the end of that month.

For more information, please contact: Carolina Ibarra at cibarra@sandiegoacs.org

THE SAN DIEGO CHEMIST, the official newsletter of the San Diego Section of the American Chemical Society, published on a monthly basis, can be viewed at http://www.sandiegoacs.org/newsletter/. All contents are published at the discretion of the Section’s Executive Committee. Events of interest to chemistry professionals in the community may be included in the events calendar as space permits and are subject to editing for brevity. Advertisements and announcements from the chemistry community are accepted at published rates. The deadline for items submitted is the 20th of the month for publication by the end of that month.

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Discounts will be available for issues not shown. Please send your jpg to: Carolina Ibarra at cibarra@sandiegoacs.org
POSITION TITLE: 
Assistant Professor of Chemistry

JOB DESCRIPTION: 
This position may include a combination of day, evening, weekend, and extension site assignments.

Southwestern Community College District (SCCD) is seeking a full-time, tenure track, equity-focused faculty member committed to serving its’ culturally diverse student population. Southwestern Community College District seeks faculty who will foster an inclusive learning environment through equity-minded teaching, leadership, and service to students working toward goals of university transfer, associate degree and certificate completion, employment advancement, and personal growth.

MINIMUM QUALIFICATIONS: 
Master’s in Chemistry OR Bachelor’s in Chemistry or Biochemistry AND Master’s in Biochemistry, Chemical Engineering, Chemical Physics, Physics, Molecular Biology, or Geochemistry OR the equivalent OR valid California Community College Instructor Credential in Chemistry.

START DATE: August 10, 2023 (Fall Semester 2023)

CLOSES: January 20, 2023

WHERE TO APPLY: Click here

Southwestern Community College District is a single college district providing higher education in Chula Vista, San Ysidro, Otay Mesa, National City and Coronado. SCCD's strategic south San Diego County locations position the College to provide exceptional service to a binational community on the U.S.-Mexico International Border. SCCD is one of 20 initial California Guided Pathways colleges and is known for its excellent learning communities. As a designated Hispanic Serving Institution, the College values equity, inclusion, and culturally responsive andragogy for all students. College is dedicated to providing quality academic programs, comprehensive student support services that ensure equitable access, and clear pathways to student success.
ATTENTION COMPANIES!
Do you hire student workers?

If you have open positions in chemistry and biochemistry that would be of interest to college students, such as summer internship opportunities, here is a list of contacts you'll want to keep handy. The people listed below are the faculty advisors of the ACS Student Affiliate groups for all chemistry programs in San Diego County. These professors can get the word out to all chemistry and biochemistry majors at their schools about jobs, career fairs, open houses, etc.

California State University, San Marcos
Jacqueline Trischman
trischma@csusm.edu
760-750-4206

Point Loma Nazarene University
Vacant

San Diego Mesa College
Synthia Chang
schang001@sdccd.edu

San Diego Miramar College
Vacant

Southwestern College, Chula Vista
Juan Gonzalez
jgonzalez3@swccd.edu
619-421-6700x5947

University of California, San Diego
Jeremy Klosterman
jkk@ucsd.edu

University of San Diego
Christopher Daley
cdaley@sandiego.edu
619 260-4033

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Get up-to-the-minute reminders of Section or local events of interest.

To subscribe to our moderated listserver:

Send an e-mail with SUBSCRIBE TO LISTSERVER in the subject line, and your name and e-mail in the body of the message to Ken Poggenburg at jkp135@att.net

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cibarra@sandiegoacs.org
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cibarra@sandiegoacs.org
Chemistry of Beer and Brewing Networking Event
January 12, 2023
Click here to register!

Now You're cooking with chemistry!
February 9, 2023
ZOOM
## 2023 EXECUTIVE COMMITTEE & COMMITTEE MEMBERS

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### SAN DIEGO SECTION OF THE AMERICAN CHEMICAL SOCIETY

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**EXECUTIVE COMMITTEE**

<table>
<thead>
<tr>
<th>Role</th>
<th>Name</th>
<th>Email</th>
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<tbody>
<tr>
<td>Chair</td>
<td>Juan P. Gonzalez-Gonzalez, Southwestern College</td>
<td><a href="mailto:jppg@sandiegoacs.org">jppg@sandiegoacs.org</a></td>
<td>(2023)</td>
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<tr>
<td>Chair-Elect</td>
<td>Jim Shih, Eli Lilly &amp; Co, <a href="mailto:jshih@sandiegoacs.org">jshih@sandiegoacs.org</a></td>
<td>(2023)</td>
<td>626-826-3561</td>
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<tr>
<td>Secretary</td>
<td>William Tolley, Seacoast Science, Inc., <a href="mailto:b_tolley@juno.com">b_tolley@juno.com</a></td>
<td>(2023)</td>
<td>858-780-0978</td>
</tr>
<tr>
<td>Treasurer</td>
<td>Desiree Grubisha, Heron Therapeutics, <a href="mailto:desgrubisha@gmail.com">desgrubisha@gmail.com</a></td>
<td>(2023)</td>
<td>858-254-5497</td>
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<tr>
<td>Chair</td>
<td>Juan P. Gonzalez-Gonzalez, Southwestern College</td>
<td><a href="mailto:jppg@sandiegoacs.org">jppg@sandiegoacs.org</a></td>
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<td>Desiree Grubisha, Heron Therapeutics, <a href="mailto:desgrubisha@gmail.com">desgrubisha@gmail.com</a></td>
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**Councilors**

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**Alternate Councilors**

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<tr>
<td>Julann Miller</td>
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<td>Ben Pratt, Pratt Pharma Consulting LLC</td>
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<td>Shannon Woodruff, HP Inc.</td>
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**Members-at-Large**

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<td>Sean Anderson, Application Specialist, 3M</td>
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<td>James O’Brien, TE Connectivity</td>
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<td>Bill Szabo</td>
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<td>Christina Vialva, Southwestern College</td>
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**STANDING & SPECIAL COMMITTEES**

**Awards Nomination Committee**

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**ChemExpo**

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**Communications Committee**

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<td>Ken Poggenburg</td>
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<td>Carolina Ibarra (Newsletter Editor &amp; Social Media Manager)</td>
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<td>David Wallace, Wallace Scientific Consulting</td>
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**Distinguished Scientist Awards Nomination Committee**

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<tr>
<td>Tammy Dwyer USD</td>
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<tr>
<td>Barbara Sawrey</td>
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<td>858-729-0689</td>
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<tr>
<td>David Wallace, Wallace Scientific Consulting</td>
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**Education Committee**

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<tr>
<td>Joan Schellinger, USD</td>
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**EarthFair**

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<td>Ryan C. Smith, Duane Morris LLP</td>
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Mad Science Program
OPEN

MedChem Symposium
Ben Pratt (Co-Chair), Pratt Pharma Consulting LLC 858-945-7893
Mark Tichenor (Co-Chair), Janssen Pharmaceuticals, Inc. 858-334-8914
David Wallace (Co-Chair), Wallace Scientific Consulting 858-638-1866

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Nominations Committee
OPEN

Outreach Committee
Kevin McCowen, Wyatt Technology 801-719-0511
Julann Miller

Picnic Committee
Jim Shih, Eli Lilly & Co. 626-826-3561

Professional Development Committee
Valerie Kuck 973-744-5510

Public Relations Committee
OPEN

Senior Chemists Committee
Ken Poggenburg (Chair) 760-635-2573

Seniors Breakfasts
OPEN

Women Chemists Committee
Valerie Kuck 973-744-5510

Younger Chemists Committee
OPEN